

BRIHAT BANGALORE MAHANAGARA PALIKE

Work Slip

Name of Work: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05
 Estimate Amount:- Rs 50.00 LAKHS

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. upto 125%			Qty. above 125%			Total Amount	excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Ant				
1	Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	462.13	137.80	63681.51	789.51	577.66	137.80	79601.89	211.85	137.80	29192.68	108794.57	45113.06	0.00	
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	43.20	4871.76	210460.03	100.80	54.00	4871.76	263075.04	46.80	4871.76	227998.37	491073.41	280613.38	0.00	
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chisle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	27.00	5811.98	156923.46	79.20	33.75	5811.98	196154.33	45.45	5811.98	264154.49	460308.82	303385.36	0.00	
9	Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after taking joints to depth of 20mm nicely lining.	Sqm	60.00	149.46	8967.60	172.80	75.00	149.46	11209.50	97.80	149.46	14617.19	25826.69	16859.09	0.00	

13	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed (RMC) for R.C.C works laid in 15cms thick layers and well	Cum	40.00	5770.64	230825.60	46.90	46.90	5770.64	270630.90	0.00	5770.64	0.00	270630.90	39805.30	0.00	
14	Vacuum De- watering with vacuum pump and suction mat and compaction with skin flater clubbed with floating disc including cost of generator. HOM of	Sqm	400.00	72.08	28832.00	469.02	469.02	72.08	33807.01	0.00	72.08	0.00	33807.01	4975.01	0.00	
15	Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the	Cum	462.13	60.42	27921.89	789.51	577.66	60.42	34902.37	211.85	60.42	12799.87	47702.24	19780.35	0.00	
Grand total					727612.09				889381.04			548762.60	1438143.64	710531.55	0.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(710531.55/4995982)x100 = 14.22%

Workslip Amount Rs.710531.55/-
Percentage of Workslip 14.22%

Contractor

Assistant Executive Engineer,
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

ಸಹಾಯಕ ಅಭಿವೃದ್ಧಿ ಇಂಜಿನಿಯರ್
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಪ್ರಾಧಿಕಾರಿತರಾದ ರಸ್ತೆ ವಿಭಾಗ

ಸಹಾಯಕ ಪ್ರಾಧಿಕಾರಿತರಾದ ಅಭಿವೃದ್ಧಿ ಇಂಜಿನಿಯರ್
ಪ್ರಾಧಿಕಾರಿತರಾದ ರಸ್ತೆ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಸಿ., ಬೆಂಗಳೂರು-24

Executive Engineer

ಮುಖ್ಯ ಅಭಿವೃದ್ಧಿ ಇಂಜಿನಿಯರ್
ಯಶವಂತ ಪಯ್ಯ
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

BRUHAT BANAGLORE MAHANAGARA PALIKE

EIRL

No. 05

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05										
SI No	Item Of Work	Unit	Estimate qty	Rate	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix:1:3:6 with OPC cement @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials, labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	18.72	5421.90	101481.70	Additional Item	No	-	Yes	

2	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specifications (Data Rate Approved)	Cum	32.28	7070.20	228204.85	Additional Item	No	-	Yes	
3	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Tonne	2.42	75223.96	182100.28	Additional Item	No	-	Yes	

TOTAL EIRL AMOUNT

511786.83

AMOUNT IN WORDS

FIVE LAKH TWENTY ELEVEN THOUSAND SEVEN HUNDRED EIGHTY SIX RUPEES AND EIGHTY THREE PAISA ONLY

EIRL

511786.83

PERCENTAGE OF EXCESS

=

x100

=

10.24 %

OVER AMOUNT PUT TO

TENDER

Amount put
to Tender

4995982.00

Asst Engineer

Asst. Executive Engineer

Executive Engineer

ಬಿ.ಎಂ.ಸಿ. ಬೃಹತ್ ನಗರಪಾಲಿಕೆ, ೨೦೧೭-೧೮

ಬಿ.ಎಂ.ಸಿ., ಬೆಂಗಳೂರು-೭೪

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಶವಂತ ಪುರ
ಬೃಹತ್ ನಗರಪಾಲಿಕೆ, ೨೦೧೭-೧೮

BRUHAT BANGALORE MAHANAGARA PALIKE
Comparative Statement

Name of Work:		Improvements to CC Roads and Drains at Agrahara Village in ward No. 05														
Estimate Amount:-		Rs 50.00 LAKHS														
Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	462.13	137.80	63681.51	577.66	137.80	79601.89	211.85	137.80	29192.68	789.51	108794.57	45113.06	0.00	
2	Removing B.S slab of drain and stacking specifications and direction of site engineer in in charge of the work	Sqm	804.38	104.94	84411.64	202.50	104.94	21250.35	0.00	0.00	0.00	202.50	21250.35	0.00	63161.29	
3	Refining stone slabs of drains and pointing in CM (1:3) specifications and direction of site engineer in in charge of the work	Sqm	804.380	111.30	89527.49	202.50	111.30	22538.25	0.00	0.00	0.00	202.50	22538.25	0.00	66889.24	
4	Providing granite slabs of selected quality, roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work.	Sqm	433.130	742.00	321382.46	277.56	742.00	205949.52	0.00	0.00	0.00	277.56	205949.52	0.00	115432.94	
5	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs. with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS 383, aggregate cement ratio 1:2:1 and minimum cement content of 180kg/cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor,	Cum	127.65	3606.12	460321.22	123.04	3606.12	443690.69	-0.21	3606.12	-768.10	122.83	442922.59	0.00	17398.63	
6	Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work	cum	43.20	4871.76	210460.03	54.00	4871.76	263075.04	46.80	4871.76	227998.37	100.80	491073.41	280613.38	0.00	
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chisle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	27.00	5811.98	156923.46	33.75	5811.98	196154.33	45.45	5811.98	264154.49	79.20	460308.82	303385.36	0.00	

	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.50cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, H.O.M of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	47.60	~~5627.54~~	267870.90	~~31.33~~	5627.54	176322.08	0.00	0.00	0.00	0.00	31.33	176322.08	0.00	91548.82	
9	Providing Flush pointing to course stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining.	Sqm	60.00	~~149.46~~	8967.60	75.00	149.46	11209.50	97.80	149.46	14617.19	172.80	25826.69	16859.09	0.00		
10	Providing and constructing precast concrete solid blocks with compressive strength not less than 35K/sqm with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S 2185/1965 in superstructure including cost of	Sqm	520.00	~~966.72~~	502694.40	~~33.96~~	966.72	32829.81	0.00	0.00	0.00	33.96	32829.81	0.00	469864.59		
11	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers	Sqm	864.00	~~2100.00~~	1814400.00	~~646.94~~	2100.00	1358563.50	0.00	0.00	0.00	646.94	1358563.50	0.00	455836.50		
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed (RMC) for R.C.C works laid in 15cms thick layers and well	Cum	40.00	~~5770.64~~	230825.60	~~46.90~~	5770.64	270630.90	0.00	5770.64	15.00	46.90	270645.90	39820.30	0.00		
13	Providing & fixing 20mm thick compressible fibre board in expansion joint complete as per drawing & technical specifications Complete as per	M	100.00	~~126.14~~	12614.00	~~100.00~~	126.14	12614.00	0.00	126.14	0.00	100.00	12614.00	0.00	0.00		
14	Vacuum De-wrting with vacuum pump and suction mat and compaction with skin flater clubbed with Floating disc including cost of	Sqm	400.00	~~72.08~~	28832.00	~~469.02~~	72.08	33807.01	-0.02	72.08	-1.13	469.01	33805.88	4973.88	0.00		
15	Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the	Cum	462.13	~~60.42~~	27921.89	~~577.66~~	60.42	34902.37	211.85	60.42	12799.87	789.51	47702.24	19780.35	0.00		
	Sub total				4280834.20			3163139.24			548008.37		3711147.61	710545.42	1280232.01		
EIRL Estimate																	
E1	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of materials, labour, H.O.M curing form work, Scaffolding and Centring complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	18.72	5421.90	101481.70	0.00	5421.90	0.00	18.72	101481.70	101481.70			

E2	Providing laying plant/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering cost of materials, H.O.M of Machinery Curing Etc. Complete Excluding cost of Steel as per month MORT/H. Specification No. 1500, 1700, 2200. Including Cost of material, Labour, H.O.M complete as per Specification- WALL & Bottom thickness 15cm complete as per Specifications, and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	32.28	7070.20	228204.85	0.00	7070.20	0.00	32.28	228204.85	228204.85		
E3	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, H.O.M of machinery complete as per Specifications, and as per the directions of the Engineer-in-charge of the work	Tonne	0.00	0.00	0.00	2.42	75223.96	182100.28	0.00	75223.96	0.00	2.42	182100.28	182100.28		
	Sub total				0.00			511786.83			0.00		511786.83	511786.83		
Estimate- E/1 Estimate																
	Grand Total				4280834.20			3674926.07			548008.37		4222934.44	1222332.25	1280232.01	
Executive Engineer, Contractor Assistant Engineer Assistant Executive Engineer Executive Engineer																

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

ಮಹಾರಾಷ್ಟ್ರ ರಾಜ್ಯದ ಸರ್ಕಾರ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ

ಮಹಾರಾಷ್ಟ್ರ ರಾಜ್ಯದ ಸರ್ಕಾರ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ

ಮಹಾರಾಷ್ಟ್ರ ರಾಜ್ಯದ ಸರ್ಕಾರ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ
ಪ್ರಾಂತ್ಯೀಕರಣ ಮತ್ತು ವಿಸ್ತರಣೆ

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

Estimated cost: 50.00 LAKHS

EIRL RATE ANALYSIS (PWD CSR 2018-19)

Sl No	Description.	Unit	Page	Item	Basic Rate	Lift charges	Total	AW @ 6%	Total Rate	Final Rate.
	CSR 2018-19									
1	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of materials, labour, HOM curing form work, Scaffolding and Centering complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	222	27.18	5115.00	0	5115.00	306.9	5421.90	5421.90
2	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per month MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum	271	37.59.2	6670	0	6670.00	400.2	7070.20	7070.20

3	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Tonne	171	21.78.12	70966	0	70966.00	4257.96	75223.96	75223.96
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Assistant Engineer.

Assistant Executive Engineer.

Executive Engineer.

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

ಹಿ.ರ.ವಿ.ಸಿ. ಸ್ವಾಮೀಶ್ವರ ಉಪ ವಿಭಾಗ
ಬಿ.ಎಂ.ಸಿ. ಕಾರ್ಪೊರೇಷನ್-24

ಹಿ.ರ.ವಿ.ಸಿ. ಸ್ವಾಮೀಶ್ವರ ಉಪ ವಿಭಾಗ
ಬಿ.ಎಂ.ಸಿ. ಕಾರ್ಪೊರೇಷನ್-24

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ವಿ.ನು.ಪಾ. ಶಿಂಗಣೂರು

ಮುಖ್ಯ ಪ್ರಭುಯಂತರರು
ಯಲಯಂತ ಪಲಯ
ಬ್ರಹ್ಮತ್ ಬೆಂಗಳೂರು ಮುಖ್ಯಸ್ಥರು